

PATENT

ATTORNEY DOCKET NO. 00398/518002

Certificate of Mailing: Date of Deposit: May 3, 2005

I hereby certify under 37 C.F.R. § 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Santa Zingariello  
Printed name of person mailing correspondence

Santa Zingariello  
Signature of person mailing correspondence

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Michael E. Mendelsohn et al. Art Unit: 1652  
Serial No.: 10/715,632 Examiner: K. H. Gebreyesus  
Filed: November 17, 2003 Customer No.: 21559  
Title: COMPOSITIONS INVOLVING M-RIP, AND RELATED METHODS FOR  
SCREENING FOR ANTI-HYPERTENSIVE AGENTS, AND USES  
THEREOF

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

COMBINED DECLARATION OF DR. HOWARD K. SURKS  
UNDER 37 C.F.R. §§ 1.131 and 1.132

1. I am a joint inventor on the above-referenced patent application.
2. I have read the Office Action mailed November 4, 2004.
3. Any description of the above-referenced invention in Surks et al., J. Biol.

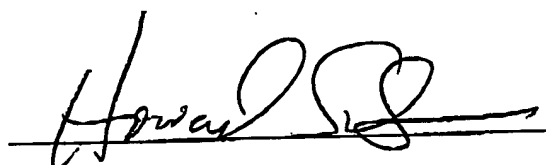
Chem. 2003, 278:51484-51493 was the contribution of Michael E. Mendelsohn and myself alone, notwithstanding the inclusion of an additional author on the paper.

4. Claims 5, 6, and 9 stand rejected under 35 U.S.C. § 102(a) by Inazawa et al. GenBank accession no. AB098507, which was published on June 21, 2003. The claimed


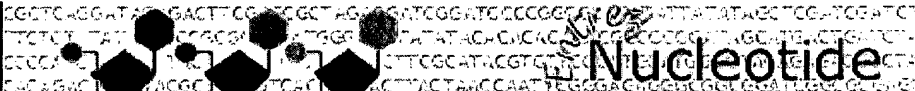
invention was reduced to practice on or before May 12, 2003, as evidenced by the date of submission of SEQ ID NO: 19 of the instant application to GenBank (Exhibit A).

5. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Date: 4/28/05

  
Dr. Howard K. Surks

## EXHIBIT A

[PubMed](#)
[Nucleotide](#)
[Protein](#)
[Genome](#)
[Structure](#)
[PMC](#)
[Taxonomy](#)
[OMIM](#)
[Books](#)

Search  for

Range: from  to 
☐ Reverse complemented strand
 Features: ☐ SNP

☐ CDD ☒ MGC ☐ HPRD ☐ STS

☐ 1: [AY296247](#). Reports Homo sapiens myos...[gi:34224022] [Links](#)

LOCUS AY296247 3075 bp mRNA linear PRI 15-DEC-2003  
 DEFINITION Homo sapiens myosin phosphatase-Rho interacting protein mRNA, complete cds.

ACCESSION AY296247

VERSION AY296247.1 GI:34224022

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 3075)

AUTHORS Surks,H.K., Richards,C.T. and Mendelsohn,M.E.

TITLE Myosin Phosphatase-Rho Interacting Protein: A NEW MEMBER OF THE MYOSIN PHOSPHATASE COMPLEX THAT DIRECTLY BINDS RhoA

JOURNAL J. Biol. Chem. 278 (51), 51484-51493 (2003)

PUBMED [14506264](#)

REFERENCE 2 (bases 1 to 3075)

AUTHORS Surks,H.K., Richards,C.T. and Mendelsohn,M.E.

TITLE Direct Submission

JOURNAL Submitted (12-MAY-2003) Molecular Cardiology Research Institute, Tufts-New England Medical Center, 750 Washington Street, Box 80, Boston, MA 02111, USA

FEATURES Location/Qualifiers

source

1..3075

/organism="Homo sapiens"

/mol\_type="mRNA"

/db\_xref="taxon:9606"

/tissue\_type="aorta"

CDS

1..3075

/note="similar to mouse p116RIP3"

/codon\_start=1

/product="myosin phosphatase-Rho interacting protein"

/protein\_id="AAQ63176.1"

/db\_xref="GI:34224023"

/translation="MSAAKENPCRKFQANIFNKSQCQNCFKPREPHLLNDEDLTQAKP  
IYGGWLLLAPDGTDFDNPVHRSRKWQRRFFILYEHGLRLRYALDEMPPTLPQGTINMNQ  
CTDVVDGEGRTGQKFSLCILTPEKEHFIRAETKEIVSGWLEMLMVYPRTNKQNKQKKR  
KVEPPTPQEPGPAKVAVTSSSSSSSSSSIPSAEKVPTTKSTLWQEEMRTKDQPDGSSL  
SPAQSPSQSQPPAASSLREPGLESKEEESAMSSDRMDCGRKVRVESGYFSLEKTKQDL  
KAEQQLPPPLSPSPSTPNHRRSQVIEKFEALDIEKAEHMETNAVGPSPSSDTRQGR  
SEKRAFPRKRDFTEAPPAPLPDASASPLSPHRRAKSLDRRSTEPSVTPDLLNFKKGW  
LTKQYEDGQWKHWFVLADQSLRYRDSVAEEAADLDGEIDLACDYDVTYEPVQRNYG  
FQIHTKEGEFTLSAMTSGIRRNWIQTIMKHVHPTTAPDVTSSLPEEKNKSSCSFETCP

RPTEKQEAELGEPDPEQKTSRARERRRREGRSKTFDWAEFRIQQALAQERVGGVGPAD  
 THEPLRPEAESGELERERARRRREERRKRFGMLDATDGPGETDAALRMEVDRSPGLPMS  
 DLKTHNVHVEIEQRWHQVETTPLRREEKQVPIAPVHLSSSEDGDRSLSTHELTSLLEKEL  
 EQSQKEASDLLEQNRLQLQDQLRVALGREQSAREGYVLQATCERGFAAMEETHQKKIED  
 LQRQHORELEKLRREEKDRLLAEETAATISAIEAMKNAHREEMERELEKSQRSQISSVN  
 SDVEALRRQYLEELQSVQRELEVLEQYSQKCLENAHLAQALEAERQALRQCQRENQE  
 LNAHNQELNNRLAAEITRLRLTLTGDDGGGEATGSPLAQGKDAYELEVLRLVKESEIQY  
 LKQEISSLKDELQALRDKKYASDKYKDIYTELSIAKAKADCDISRLKEQLKAATEAL  
 GEKSPDSATVSGYDIMKSKSNPDLKKDRSCVTRQLRNIRSKSVIEQVSWDT"

## ORIGIN

```

1 atgtcggcag ccaaggagaa cccgtgcagg aaattccagg ccaacatctt caacaagagc
61 aagtgtcaga actgcttcaa gccccgcgag ccgcactctgc tcaacgacga ggacctgacg
121 caggcaaaac ccatttatgg cgggttggtg ctccctggctc cagatgggac cgactttgac
181 aaccagtgac accggtctcg gaaatggcag cgacggttct tcatccttta cgagcacggc
241 ctcttgcgct acgcccctgga tgagatgccc acgacccttc ctcagggcac catcaacatg
301 aaccagtgca cagatgtggt ggatggggag ggccgcacgg gccagaagtt ctccctgtgt
361 attctgacgc ctgagaagga gcatttcata cgggaggaga ccaaggagat cgtcagtggg
421 tggctggaga tgctcatggt ctatccccgg accaacaagc agaatcagaa gaagaaacgg
481 aaagtggagc cccccacacc acaggagcct gggcctgcca aggtggctgt taccagcagc
541 agcagcagca gcagcagcag cagcatcccc agtgctgaga aagtcaccac caccaagtcc
601 acactctggc aggaagaaat gaggaccaag gaccagccag atggcagcag cctgagtgca
661 gctcagagtc ccagccagag ccagcctcct gctgccagct cctgcgggga acctgggtcta
721 gagagcaaa aagaggagag cgccatgagt agcgaccgca tggactgtgg ccgcaaagtc
781 cgggtggaga gcggctactt ctctctggag aagaccaaac aggacttgaa ggctgaagaa
841 cagcagctgc ccccgccgct ctccctccc agccccagca cccccaacca caggaggtcc
901 cagggtgattg aaaagtttga ggccctggac attgagaagg cagagcacat ggagaccaat
961 gcagtggggc cctcaccatc cagcgacaca cgccaggggc gcagcgagaa gaggcggttc
1021 cctaggaagc gggacttcac caatgaagcc cccccagctc ctctcccaga cgcctcggct
1081 tccccctgt ctccacaccg aagagccaag tcaactggaca ggaggtccac ggagccctcc
1141 gtgacgcccg acctgctgaa tttcaagaaa ggctggctga ctaagcagta tgaggacggc
1201 cagtggaaga aacactgggt tgtcctcgcc gatcaaagcc tgagatacta cagggtattca
1261 gtggctgagg aggcagccga cttggatgga gaaattgact tgtccgcatg ttacgatgtc
1321 acagagtatc cagtccagag aaactatggc ttccagatac atacaaagga gggcgagttt
1381 accctgtcgg ccatgacatc tgggattcgg cggaactgga tccagaccat catgaagcac
1441 gtgcacccga ccaactgccc ggatgtgacc agctcgttgc cagaggaaaa aaacaagagc
1501 agctgctctt ttgagacctg cccgaggcct actgagaagc aagaggcaga gctgggggag
1561 ccggaccctg agcagaagac gagccgcgca cgggagcgga ggcgagaggg ccgctccaag
1621 acctttgact gggctgagtt ccgtcccatc cagcaggccc tggctcagga gcgggtgggc
1681 ggcgtggggc ctgctgacac ccacgagccc ctgcgccctg aggcggagtc tggggagctg
1741 gagcgggagc gtgcacggag gcgggaggag cgccgcaagc gcttcgggat gctcgacgcc
1801 acagacgggc caggcactga ggatgcagcc ctgcgcatgg aggtggaccg gagcccaggg
1861 ctgcctatga gcgacctcaa aacgcataac gtccacgtgg agattgagca gcggtggcat
1921 cagggtggaga ccacacctct ccgggaagag aagcaggtgc ccatcgcccc cgtccacctg
1981 tcttctgaag atgggggtga ccggtctctc acacacgagc tgacctctct gctcgagaag
2041 gagctggagc agagccagaa ggaggcctca gaccttctgg agcagaaccg gctcctgcag
2101 gaccagctga ggggtggcct gggccgggag cagagcgccc gtgagggcta cgtgctgcag
2161 gccacgtgag agcgagggtt tgcagcaatg gaagaaacgc accagaagaa gattgaagat
2221 ctccagaggc agcaccagcg ggagctagag aaacttcgag aagagaaaga ccgcctccta
2281 gccgaggaga cagcggccac catctcagcc atcgaagcca tgaagaacgc ccaccgggag
2341 gaaatggagc gggagctgga gaagagccag cggctcccaga tcagcagcgt caactcggat
2401 gttgaggccc tgcggcgcca gtacctggag gagctgcagt cgggtgcagc ggaactggag
2461 gtcctctcgg agcagtactc gcagaagtgc ctggagaatg cccatctggc ccaggcgctg
2521 gaggccgagc ggcaggccct gcggcagtg cagcgtgaga accaggagct caatgcccac
2581 aaccaggagc tgaacaaccg cctggctgca gagatcacac ggttgcgga gctgctgact
2641 ggggacggcg gtggggaggc cactgggtca ccccttgca agggcaagga tgcctatgaa
2701 ttagaggtct tattgcgggt aaaggaactc gaaatacagt acctgaaaca ggagattagc
2761 tccctcaagg atgagctgca gacggcactg cgggacaaga agtacgcaag tgacaagtac
2821 aaagacatct acacagagct cagcatcgcg aaggctaagg ctgactgtga catcagcagg
2881 ttgaaggagc agctcaaggc tgcaacggaa gcaactgggg agaagtcccc tgacagtgcc
2941 acggtgtccg gatatgatat aatgaaatct aaaagcaacc ctgacttctt gaagaaagac

```

```
3001 agatcctgtg tcacccggca actcagaaac atcagggtcca agtccgtaat tgagcaggtc
3061 tcgtgggata cctga
```

//

[Disclaimer](#) | [Write to the Help Desk](#)  
[NCBI](#) | [NLM](#) | [NIH](#)

Feb 9 2005 14:31:10